

19/25-
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

2200 Churchill Road
62706



Springfield, Illinois
Phone: 217/782-6171

Dr. Richard H. Briceland, Director

October 21, 1974

EPA Region 5 Records Ctr.



298805

CABOT CORPORATION -- Industrial Waste Disposal Well
Log #1338-74
Permit #1974-EB-1644-OP

Cabot Corporation
P. O. Box 188
Tuscola, Illinois 61953

Permit is hereby granted to Cabot Corporation, Tuscola, Illinois, to operate an industrial waste disposal well and to operate necessary surface facilities for the well. Said disposal well is located 1745 feet north and 800 feet west of the Southeast Corner of the Southeast Quarter of the Southwest Quarter of the Southeast Quarter of Section 31, Township 16 North, Range 8 East of the Third Principal Meridian, Douglas County, Illinois. Total well depth is 5318 feet.

This permit is issued for the injection of industrial wastes of a maximum of 300 gpm, at a maximum injection pressure of 50 psig. The wastes consist of hydrochloric acid, chloridic salts, and silicon dioxide particulates from Cabot Corporation; and nitric acid, zinc nitrate, trisodium phosphate, and aromatic solvent from R. R. Donnelly Company (averaging 30 tons per month). No wastes are projected from A. E. Staley Manufacturing Company.

The injection wastes should be sampled daily (if waste is injected) and a weekly composite sample made and analyzed. The analysis report should show all parameters which are in significant amounts or which are needed to adequately characterize the wastes. The Illinois Environmental Protection Agency may request that sampling and analysis procedures be changed at some future date.

As described in documents submitted to the Illinois Environmental Protection Agency, well inspections should be made every six months or as necessary, and the results, including copies of logs, reported in the regular monthly operational report.

If a situation arises which could result in water pollution, the Illinois Environmental Protection Agency will be notified by telephone.

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Monthly operating reports must be submitted in one copy each to the following four addresses:

1. Illinois Environmental Protection Agency
Division of Water Pollution Control
Permit Section
2200 Churchill Road
Springfield, Illinois 62706
2. Illinois Environmental Protection Agency
Division of Water Pollution Control
Operator Certification and Training
2200 Churchill Road
Springfield, Illinois 62706
3. Illinois State Water Survey
P. O. Box 232
Urbana, Illinois 61801
4. Illinois State Geological Survey
Natural Resources Building
University of Illinois
Urbana, Illinois 61801

The transmittal letter should show that the above four addressees were sent a copy of the report.

The operational reports shall contain as a minimum the following:

1. the total number of hours of injection during the month
2. the total number of gallons of waste injected during the month
3. the maximum injection pressure used during the month
4. the maximum injection rate used during the month
5. a summary of any operational difficulties encountered or maintenance performed during the month, including copies of logs
6. the maximum and minimum annulus pressure recorded during the month

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7. a tabular summarization which shows daily entries of data from recording charts for recording equipment used in the deep well system; all columns should be clearly labeled and marked with units
8. analyses from weekly sampling of the injection wastes

The attached Standard Conditions shall apply to this permit.

This permit expires one year from the date of this letter.

DIVISION OF WATER POLLUTION CONTROL

William H. Busch / GRW

William H. Busch
Manager
Permit Section

WHE:JRL:d1

cc: Field Operations - Region III-C
Illinois State Water Survey
Illinois State Geological Survey
Illinois Department of Mines and Minerals
Division of Waterways
Executive Director, ORSANCO
U. S. Environmental Protection Agency
Cabot Corporation, Pampa, Texas

Standard Conditions

1. If any statement or representation is found to be incorrect, this permit may be revoked and the permittee thereupon waives all rights thereunder.
2. There shall be no deviations from the approved plans and specifications unless revised plans, specifications, and application shall first have been submitted to the Environmental Protection Agency and a supplemental written permit issued therefor.
3. During or after the construction or the installation of the sewage works, any agent duly authorized by the Environmental Protection Agency shall have the right to inspect such work and its operation.
4. The issuance of this permit (a) shall not be considered as in any manner affecting the title to the premises upon which the sewage works are to be located; (b) does not release the permittee from any liability for damage to person or property caused by or resulting from the installation, maintenance or operation of the proposed sewage works; (c) does not take into consideration the structural stability of any units or parts of the project; and (d) does not release the permittee from compliance with other applicable statutes of the State of Illinois, or with applicable local laws, regulations or ordinances.
5. Treatment works will be operated or supervised by a duly qualified sewage works operator certified under the Regulations of the Environmental Protection Agency.
6. The treatment works or wastewater source covered by this permit shall be operated in compliance with the provisions of the Environmental Protection Act and Chapter 3 of the Rules and Regulations as adopted by the Illinois Pollution Control Board.
7. Plans, specifications and any other documentations submitted shall constitute a part of this application and when approved shall constitute part of the permit.
3. This Permit may not be assigned or transferred without a new permit from the Illinois Environmental Protection Agency.